



LABORATORY

DIOXIN METHOD REPORTING LIMITS

Dioxins are a group of 210 congeners that are highly persistent in the environment. The most toxic congener is 2,3,7,8-tetrachlorodibenzo-p-dioxin or TCDD. The toxicity of other dioxins and pollutants with a similar behavior as dioxins (co-planar PCBs, for example) is expressed as 2,3,7,8TCDD toxicity equivalents. Many industrial processes involving chlorine, such as waste incineration, chemical and pesticide manufacturing, pulp and paper bleaching generate dioxins.

REPORTING LIMITS FOR DIOXIN/FURAN METHODS

CAS #	ANALYTE	8290/1613			M23/TO-9A	8280	
		Solid (PG/G)	Aqueous (PG/L)	Wipe (PG/WIPE)	Train/ PUF (PG)	Solid (NG/G)	Aqueous (NG/L)
1746-01-6	2378-TCDD	0.5	5	10	10	0.2	2
40321-76-4	12378-PeCDD	2.5	25	50	50	0.2	2
39227-28-6	123478-HxCDD	2.5	25	50	50	1	10
57653-85-7	123678-HxCDD	2.5	25	50	50	1	10
19408-74-3	123789-HxCDD	2.5	25	50	50	1	10
35822-46-9	1234678-HpCDD	2.5	25	50	50	1	10
3268-87-9	OCDD	5	50	100	100	2	20
51207-31-9	2378-TCDF	0.5	5	10	10	0.2	2
57117-41-6	12378-PeCDF	2.5	25	50	50	0.2	2
57117-31-4	23478-PeCDF	2.5	25	50	50	0.2	10
70648-26-9	123478-HxCDF	2.5	25	50	50	1	10
57117-44-9	123678-HxCDF	2.5	25	50	50	1	10
60851-34-5	234678-HxCDF	2.5	25	50	50	1	10
72918-21-9	123789-HxCDF	2.5	25	50	50	1	10
67562-39-4	1234678-HpCDF	2.5	25	50	50	1	10
55673-89-7	1234789-HpCDF	2.5	25	50	50	1	10
39001-02-0	OCDF	5	50	100	100	2	25

NOTE: (PG/G) = PPT - (PG/L) = PPQ - (NG/G) = PPB - (NG/L) = PPT

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